



2815
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James J. Howarth

Serial No.: 09/944,472

Filed: August 30, 2001

For: METHOD OF BALL GRID ARRAY (BGA) ALIGNMENT, METHOD OF TESTING, ALIGNMENT APPARATUS AND SEMICONDUCTOR DEVICE ASSEMBLY

Confirmation No.: 1559

Examiner: J. Diaz

Group Art Unit: 2815

Attorney Docket No.: 2269-4348US
(MUEI-0547.00/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 29, 2003
Date

Signature

Deidra J. Pfeil
Name (Type/Print)

RECEIVED
JUN - 3 2003
TECHNOLOGY CENTER 2800

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an

admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

| <u>U.S. Patent No.</u> | <u>Publication Date</u> | <u>Patentee</u> |
|------------------------|-------------------------|-----------------|
| 5,150,194 | 09/1992 | Brooks et al. |
| 5,327,008 | 07/1994 | Djennas et al. |
| 5,468,991 | 11/1995 | Lee et al. |
| 5,728,601 | 03/1998 | Sato et al. |
| 5,861,654 | 01/1999 | Johnson |
| 6,198,172 B1 | 03/2001 | King et al. |
| 6,242,817 B1 | 06/2001 | Grande et al. |
| 6,420,195 | 07/2002 | King et al. |
| 6,518,098 | 02/2003 | Corisis |
| 6,548,827 B2 | 04/2003 | Irie |

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

Serial No.: 09/944,472

»

Respectfully submitted,



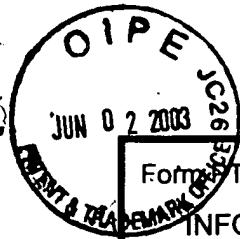
Bradley B. Jensen
Registration No. 46,801
Attorney for Applicant(s)
TRASKBRITT
P.O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: May 29, 2003

BBJ/ps:djp

Enclosures: Form PTO-1449
Copy of documents cited

Document in ProLaw



| Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | Docket Number (Optional) 4348US (MUEI-0547.00/US) | Application Number 09/944,472 | | |
|---|-----------------|---------|--|----------------------------------|----------|----------------------------|
| | | | Applicant James J. H. warth | | | |
| | | | Filing Date August 30, 2001 | Group Art Unit 2815 | | |
| U.S. PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | 5,150,194 | 09/1992 | Brooks et al. | | | |
| | 5,327,008 | 07/1994 | Djennas et al. | | | |
| | 5,468,991 | 11/1995 | Lee et al. | | | |
| | 5,728,601 | 03/1998 | Sato et al. | | | |
| | 5,861,654 | 01/1999 | Johnson | | | |
| | 6,198,172 B1 | 03/2001 | King et al. | | | |
| | 6,242,817 B1 | 06/2001 | Grande et al. | | | |
| | 6,420,195 | 07/2002 | King et al. | | | |
| | 6,518,098 | 02/2003 | Corisis | | | |
| | 6,548,827 B2 | 04/2003 | Irie | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |
| | | | | | | YES |
| | | | | | | NO |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| EXAMINER | | | DATE CONSIDERED | | | |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. | | | | | | |